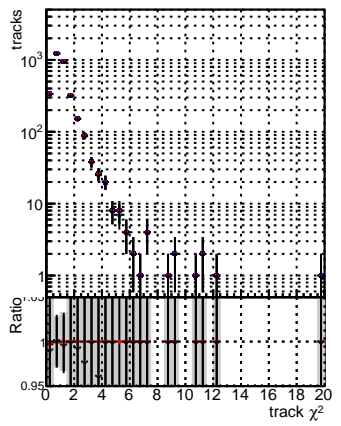
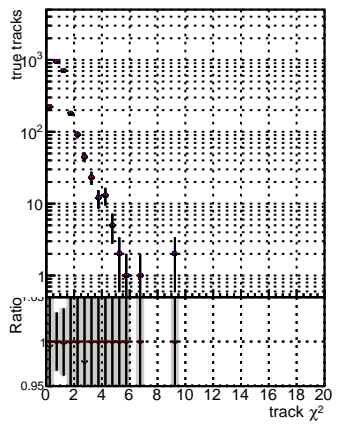


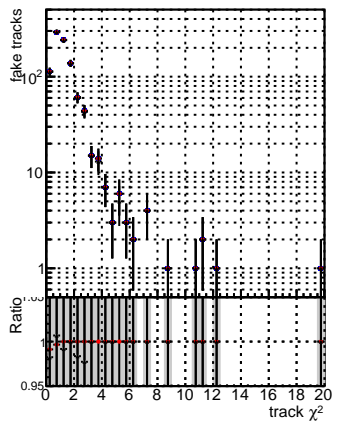
N of reco track vs. normalized  $\chi^2$



N of associated (recoToSim) tracks vs normalized  $\chi^2$



N of associated (recoToSim) loop tracks vs normalized  $\chi^2$



N of associated (recoToSim) loop tracks vs normalized  $\chi^2$



N of reco track vs.  $\chi^2$  DGM ttbar PU mkFit Siter updated PR111 update fixPropagation

